

SE3004-DC94A

Implementation of ROHM Unique technology, Anti Sticking Treatment, reduces sticking problems (print skip at media feed direction) under the tough print conditions at low print speed, using label media with over coated.

- Barcode printers
- Label printers
- Packaging printers
- ATM
- Ticket printers
- Scale printers

- 1) Anti Sticking Treatment reduces sticking problems and achieves high print quality at any environmental conditions.
- 2) ROHM new technology "STEP FREE" structure will provide, high corrosion resistance, better resistance against scratching damage, high efficiency.
- 3) Standard glazed components to accommodate thick paper.
- 4) Using a hard conductive film as a protective film on the heating element offers excellent resistance to electrostatic damage.

Technical drawing of the HIROSE HIF3FC-26PA-2.54DS connector, showing three views: side view, top view, and cross-sectional view.

Side View Dimensions:

- Length: 124 ± 0.5 (7.792)
- Width: 6 ± 0.2
- Height: 4.8 (3.5)
- Min. 4.3
- Max. 4.3
- Max. 5
- Max. 10
- Max. $\phi 20$
- DOT No.1

Top View Dimensions:

- TYPE OF PRINthead
- JST B6PS-VH
- HIROSE HIF3FC-26PA-2.54DS
- #1, #2, #25, #26, #6, #1

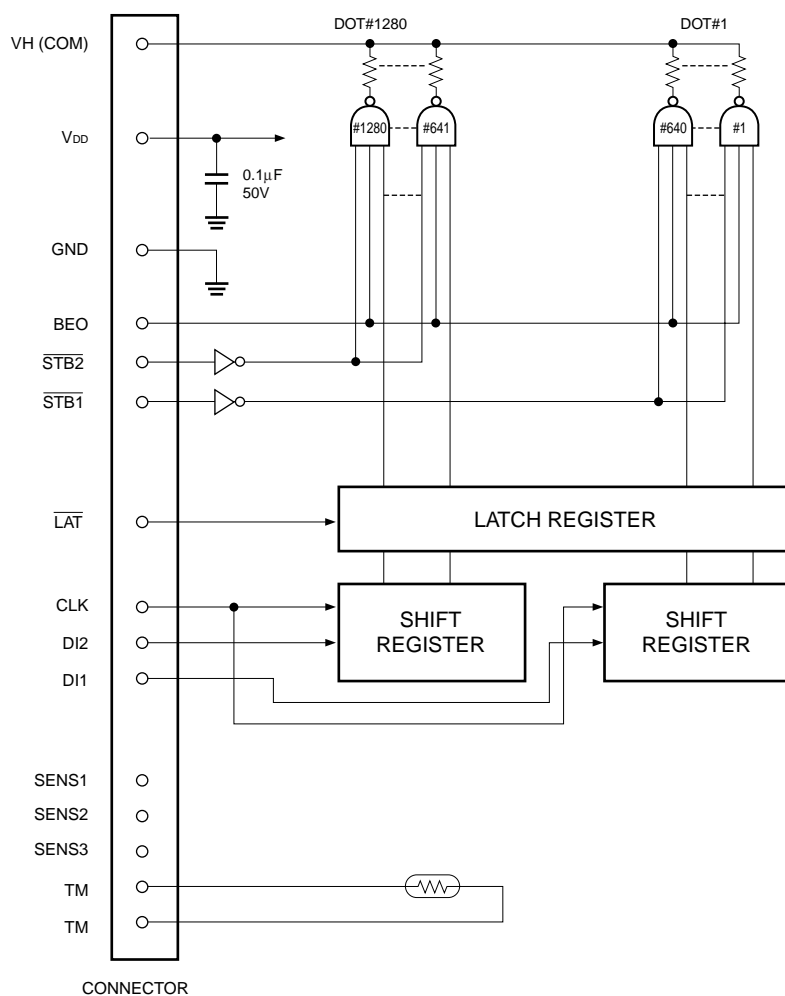
Cross-sectional View Dimensions:

- Length: 100 ± 0.2
- Width: 14.208 ± 0.2
- Height: 25 ± 0.5
- 3-M3 EFFECTIVE DEPTH 3
- $\phi 3$ H10 EFFECTIVE DEPTH 3
- $\phi 3$ H10 LENGTH 4 EFFECTIVE DEPTH 3
- DOT No.1
- 25.8±0.2
- 7.3±0.3
- 17.8±0.2
- (21.3)
- 80±0.3
- 40±0.3
- (22)

Note: No heat history control function inside the thermal printhead. External heat history control is required for high speed printing

Printhead

●Equivalent circuit



DI No.	DOT No.
DI 2	1280 to 641
DI 1	640 to 1

STB No.	DOT No.
STB2	1280 to 641
STB1	640 to 1

Printhead

●Pin assignments

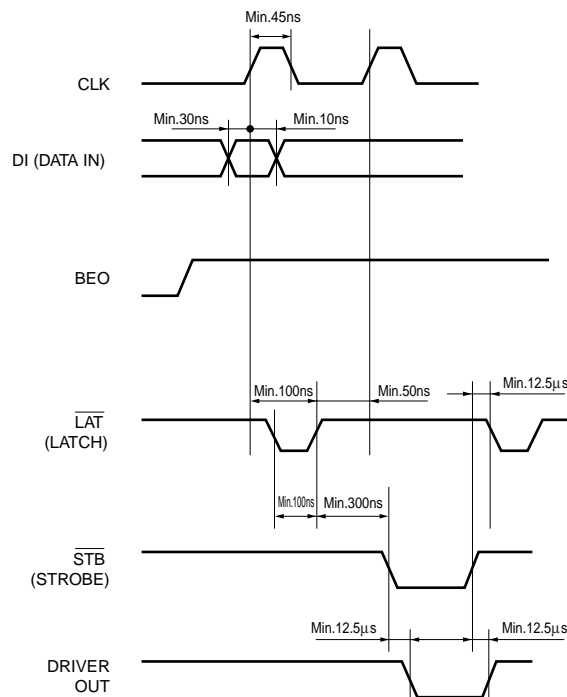
HIROSE

No.	Circuit	No.	Circuit
1	V _{DD}	2	BEO
3	GND	4	DI2
5	N.C.	6	CLK
7	LAT	8	GND
9	GND	10	DI1
11	N.C.	12	GND
13	V _{DD}	14	STB2
15	STB1	16	TM
17	TM	18	SENS1
19	SENS2	20	SENS3

JST

No.	Circuit
1	VH
2	VH
3	VH
4	GND
5	GND
6	GND

●Timing chart



Printhead

●Characteristics

Parameter	Symbol	Typical	Unit
Effective printing width	—	108.4	mm
Dot pitch	—	0.0847	mm
Total dot number	—	1280	dots
Average resistance value	Rave	850	Ω
Applied voltage	V _H	24	V
Applied power	P _O	0.57	W / dot
Print cycle	SLT	0.42	ms
Maximum number of dots energized simultaneously	—	1280	dots
Maximum clock frequency	—	10	MHz
Maximum roller diameter	—	$\phi 20$	mm
Running life / pulse life	—	150 / 10 ⁸	km / pulses
Operating temperature	—	5 to 45	°C

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